

**Department of Biochemistry and Molecular Biology
Pondicherry University
Puducherry-605014**

Sealed quotations under single bid systems are invited for the purchase of complete **Mini Trans blot gel electrophoresis with power pack and accessories, table top refrigerated centrifuge** for **Scientific and Laboratory Equipments** under **DST-SERB project**. The quotations duly signed and sealed should be submitted to **Dr. Kitlangki Suchiang, Assistant Professor, Department of Biochemistry and Molecular Biology, Pondicherry University, Puducherry-605 014.**

The quotation should be sent by post (normal/speed/Registered/courier) only. The price quoted should include all the costs such as delivery, installation, testing etc and also inclusive of all taxes. Warranty terms should be explicitly specified in your quotation.

Last date for receiving quotation is 28.07.2017 before 3:00 PM.

Tender will be opened on 28.07. 2017 at 3:30 PM

Name of the required item: Mini Trans blot gel electrophoresis with power pack and accessories. The technical specifications for components of the system are given below:

1. Mini Vertical gel electrophoresis Unit:

No. Code: PU-KSU- EEQ/2016/000343-1

- **The vertical electrophoresis unit should be imported only.**
- The unit should be a complete set for separating proteins from 8 x 7 cm size polyacrylamide gels. Flexible- Capable of running hand cast as well as precast gel
- High throughput-Capable of running up to 4 mini gel (8 X 7 cm) simultaneously. Electrophoresis unit should be able to run 2 PAGE gels at a time. It should have 10-12 well and option to accommodate 1.0 mm gel thickness and spacer arms
- Unit should have built-in heat exchanger to maintain the temperature uniformly.
- The buffer tank should be made in chemical resistant material. The unit must be included with safety electrical wire to prevent the electrical damage to the unit or to the users.
- The unit should able to cast leak-free in the gel caster and leak proof assembly (any leak proof technology preferred). Permanently bonded spacer plates for leak proof, without agarose sealing & taping casting of gels

- The complete unit must be supplied with essential accessories for at least 2 gels such as buffer chamber with 2 rubber gaskets, 2 gel casting stands with gaskets, 3 sets of glass plates, 1 dummy plate, clamps, 4 combs, spacers, and wedge plate separation tool, etc. The complete unit should be less than 5 kg and easy handling.
- Accessories should be supplied with 10% Stainfree Fast Acrylamide starter Kit

2. Mini Wet Gel Transfer unit for western Blotting (Imported) : 1 No

Code: No. Code: PU-KSU- EEQ/2016/000343-2

- **Unit should be imported only**
- Unit should quickly and evenly transfer proteins and nucleic acids from Polyacrylamide or Agarose gels on to nylon, nitrocellulose or PVDF membranes
- Unit should accept up to four 7.5 x 10 cm gels. Capacity to run at least 2 mini gels simultaneously
- Unit should have Modular system with dedicated buffer cooling unit and compatible with the mini-SDS-PAGE
- Unit operational voltage must be 220+20V. ISO, CE and suitable certifications.
- Unit should have color coded easy to assemble cassettes. Unit should have Tank design which allows the cassettes to apply equal pressure across the stack.
- Unit should provide built in ceramic heat exchanger temperature
- The unit should be able to place in magnetic stirrer to have proper heat exchange during gel transfer.
- Minimum 4 cassettes, foam sponges 6mm (8pcs) and 8mm (8pcs), lid with electrode panel, wires, glass tray and magnetic beat should be provided along with unit.
- The unit must be supplied with 50 sheets of blotting paper (21 x 26 cm), and 2 pieces of masks (23 x 27.5 cm).
-

3. Electrophoresis power supply Unit (Imported): 1 No

No. Code: PU-KSU- EEQ/2016/000343-3

- **Unit should be imported only**
- Unit should be able to use for Mini vertical electrophoresis unit and wet gel transfer unit.

- Unit should be capable to operate four electrophoresis units simultaneously for four identical runs
- The unit should be capable of delivering up to 10-300 volts, 500 mA and 1-75 watts. The unit should have minimum 4 sets of output banana jacks in parallel.
- The unit should be able to operate in either constant voltage or current modes. Timer control in hours, minutes and at least 99 hr, 59 min
- The unit should have automatic crossover feature to switch between constant current and voltage mode.
- The unit should have small footprint and large handle for easy transport. Memory storage specifications with at least 9 programs , 9 steps
- The unit should have minimum sets of safety-recessed voltage output terminals. Automatic Power up after Power failure, no-load detection and sudden load change detection.
- The unit should be certified to meet CE, UL and CSA safety standards & should be imported model.

4. Table top refrigerated Centrifuge (Imported/ indigenous): 1 No

No. Code: PU-KSU- EEQ/2016/000343-4

Centrifuge should be minimum 1 L Table top centrifuge for high volume applications. Temperature range should be from 3°C to 40 °C and maintain 4°C at max speed. Centrifuge should have capabilities of holding minimum 3 different rotors for maximum versatility and have ECO shut off that engages after 8 hours of non use to reduce energy consumption and extend compressor life. Centrifuge should be able to use comfortably both fixed angle and swing out rotor.

Fixed Angle

- Fixed angle should reach maximum Speed of at least 14000 -14500 RPM
- Max capacity 1.5/2 ml
- No of bores 24-30 nos
- Rotor should be made of anodized aluminum for high chemical resistance.
- Both rotors and adapters should be autoclavable

Swing out rotor

- Swing out rotor should reach Speed of at least 5000- 5500 RPM and above
- Max capacity 4 X 100 ml
- Bucket should have the capacity to hold atleast 16 nos of 5 ml Conical tubes, 36 nos of 5ml Vacutainer tubes, 16 nos of 15 ml falcon tube and 4 nos of 50ml falcon tube
- Rotor should be made of anodized aluminum for high chemical resistance. Both rotors and adapters should be autoclavable
- Timer : 30 s- 99 min, with continuous mode
- Centrifuge timer should start after the set RPM reached. Noise level should be less than 55 dB(A)
- Centrifuge should have short spin key with selectable rotational speed. Built in drainage facility for condensed water and Standby Refrigeration for maintaining temperature when not in use
- Automatic rotor recognition to sense rotor type and to set maximum allowable speed and ensures safety. Program memory upto 35 nos.
- Vendor should have onsite NABL calibration facility for Speed, Time & Temperature
- Three years warranty and on-site repair services as and when required.

The Table top refrigerated Centrifuge should be supplied with fixed angle rotor for 1.5/2 ml and swing bucket rotor with sufficient adapter that can be used in the same rotor.

TERMS AND CONDITIONS

I. General Information:

a) Last date and time of receipt of the Tender: 28, July 2017 at 3.00 PM.

Tender will be opened on 28, July 2017 at 3:30 PM

b) Quotation/ Tender document Fee: Rs.500/-

c) EMD rates: 2.5% of the quoted price

d) Quoting merely the lowest price does not confer any right to any bidder for award of supply order. The University's Purchase Committee, reserves the right to select the equipment any bid under the grounds of specification compliance, technologically advanced quality, proven performance track record, brand reputation, service backup support & training, offer of additional / special features, Compatibility with the existing System, etc.

e) The Quotation/Tender Document Fee and EMD should be submitted along with your quotations.

f) The Tender must be submitted along with the stipulated EMD fee in the sealed cover, superscribing "**Name of the Equipment**" and "**Equipment code**". If the equipment is imported, it should be mentioned in the sealed cover. The name and address of the bidder should also be mentioned at the "From address" space.

g) The Tender should be addressed and posted to the following address by speed, registered post or by courier.

**Dr. Kitlangki Suchiang, Assistant Professor, Department of Biochemistry and
Molecular Biology, Pondicherry University Puducherry – 605 014**

h) Tenders will not be accepted through fax / e-mail.

II. Common Conditions (Import or Indigenous)

1. Price Schedule

The rates should be quoted for a single unit and also for the total quantity required by the University. The price should include the Delivery, installation, training charges, etc. at the respective Department, Pondicherry University. The prices quoted shall remain firm until the Equipment is supplied to the respective Department, Pondicherry University.

2. Quoting the Core price & Tax, Duties, Discount etc.

The taxes / duties / discounts, if applicable, are to be explicitly and separately shown in the bid.

3. Eligibility:

The firm must have the requisite domain expertise with regard to supply, installation and post-sale service of the items they are quoting. The firm should have been in existence for at least six years as on the date of this Tender and must have executed at least three orders for this kind of Equipment during the last three years.

4. Duty Exemption

The University has been granted the benefit of exemption from the payment of the Central Excise Duty and Customs Duty by the Department of Scientific and Industrial Re-search (DSIR), India, vide their Notification No.10/97, dated 01-03-1997 and No.51/96 dated 23.07.96 respectively, in respect of

- a) Scientific and technical instruments, apparatus, equipment, Software including computers.
- b) Accessories and spare parts of goods specified in (a) above and consumables
- c) Computer software, compact disks, CD ROM, Recording magnetic tapes, microfilms, micro-chips etc.
- d) Prototypes. Customs duties at Indian port, if any, will be to the account of the University.

5. Technical Specifications

- i. **WARRANTY:** The Equipment covered under the purchase order, when installed, shall be warranted for the quality, workmanship, trouble free operation and performance for a period of at least 36 months (preferably 3 years) from the date of putting the system into operation at the Department of Microbiology, Pondicherry University, or at least 42 months from the date of receipt of the last lot of the consignment.
- ii. If any item covered under warranty fails, the same shall be replaced free of cost including all the applicable charges including shipping cost both ways.
- iii. Complete technical specifications of the Equipment including the Operating system to be included in the bid.
- iv. The necessary service support should be provided by Bidder during the agreement period.
- v. The training should be provided by the supplying companies.
- vi. Operating Manual should be provided in English.
- vii. A recent customer list (within last five years) with contact details including email address is to be submitted with technical bids / bids as the case may be.

viii. If the Equipment is proprietary a product, a proprietary product certificate should be enclosed.

ix. The Equipment must operate at 230V / 50 Hz single phase and / or equivalent three phase electrical power.

x. **The validity of the each quotation should be at least for SIX MONTHS from closing date.**

xi. The offers will not be considered if received after the bid closing date and time.

xii. The offers received through telex / telefax / e-mail will not be accepted by the University under any circumstances.

xiii. The University shall not be responsible for any delay / loss or non-receipt of the tender by post / courier service.

xiv. No unsolicited correspondence shall be entertained after the submission of the offer.

xv. If an order is placed with the firm, the purchase shall be governed by an agreement as per the University rules in force at the time.

xvi. Additional terms and conditions will be incorporated in the purchase order, if needed, to safeguard the interests of the University.

xvii. Tender is not transferable.

xviii. In case of any dispute in respect of the Tender, all legal matters shall be instituted within the jurisdiction of the place where the purchaser ordinarily resides.

6. Power to reject the offer:

i. Pondicherry University reserves the right to accept / reject any offer in full or in part or accept any offer other than the lowest offer without assigning any reason thereof. Any offer containing incorrect and incomplete information shall be liable for rejection.

ii. No Agency commission will be paid to any authorized agent in India.

iii. Liquidated damages: Timely supply of the ordered items, installation, commissioning (wherever is applicable) and training etc. is the essence of the contract. In case of failure to supply within the time specified in the Purchase order, a penalty / LD of 0.5% of the total value per week or a part thereof shall be levied subject to a maximum of 7.5% in respect of items which are not supplied. The decision of Pondicherry University shall be final in this regard.

iv. Bidder(s) must be authorized business partners of Global / National service providers of the respective Equipment.

v. The Bidders must enclose authorization letter from the respective global / national service providers of the above said Equipment particularly mentioning an undertaking that in case of default by the Bidder, they (Global Service Provider) shall take over all the responsibilities of the Bidder.

vi. The Bidder should not be involved in any Bankruptcy filing for protection from it.

vii. For any clarification with respect to technical specifications, please contact the Principal Investigator as per the details given below:

Dr. Kitlangki Suchiang,

Principal Investigator

Department of Biochemistry and Molecular Biology

School of Lifesciences, Pondicherry University Puducherry – 605 014

Mob no: 7598349049; Email: kitlangkisuchiang@gmail.com

III. Specific Conditions for Imported Equipments

1. Payment of EMD:

The Quotation must be accompanied by EMD as stated above, by means of a Demand Draft, drawn in favour of **The Finance Officer, Pondicherry University, payable at Puducherry.** The Small Scale units are exempted from payment of EMD provided they enclose the proof of their exemption Certificate issued by the competent authority.

2. Payments terms:

Normally a payment 90% will be released after the installation & training. However, 100% payment will be released **if the supplier provides Bank Guarantee** towards performance Security for the 10 % of the total cost of the furnace to cover the warranty period. Bank charges in India shall be borne by the purchaser and outside India shall be borne by the contractor / supplier. The offer must be in English. The rates should be indicated both in figures and words against item specified in the given table. It is preferable that the price be quoted in US Dollars or in major foreign currencies.

.....